APR 25 MIG ES

Sheet

PTO/SB/08A (08-03) Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

of

(Use as many sheets as necessary)

| Complete if Known      |                     |   |  |  |  |
|------------------------|---------------------|---|--|--|--|
| Application Number     | 10/666,804          |   |  |  |  |
| Filing Date ·          | 9/19/2003           |   |  |  |  |
| First Named Inventor   | Herbert E. Schwartz |   |  |  |  |
| Art Unit               | 1623                | _ |  |  |  |
| Examiner Name          |                     | _ |  |  |  |
| Attorney Docket Number | FZIO-01000US6       |   |  |  |  |

| <del>-</del>          | 1 011        |  | U. S. PATENT D              |  |   |  |
|-----------------------|--------------|--|-----------------------------|--|---|--|
| Examiner<br>Initials* | Cite<br>No.1 | Document Number  Number-Kind Code <sup>2 (# known)</sup> | Publication Date MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Whe<br>Relevant Passages or Releva<br>Figures Appear |  |
| she                   | A1           | <sup>US-</sup> 4,024,073                                 | 05-17-1977                  | Shimizu et al.                                     |   |  |
| <u> </u>              | A2           | <sup>US-</sup> 5,156,839                                 | 10-20-1992                  | Pennell et al.                                     |   |  |
|                       | A3           | <sup>US-</sup> 5,532,221                                 | 07-02-1996                  | Huang et al.                                       |   |  |
|                       | A4           | <sup>US-</sup> 5,550,178                                 | 08-27-1996                  | Desai et al.                                       |   |  |
| Me                    | A5           | <sup>US-</sup> 5,709,854                                 | 07-20-1998                  | Griffith-Cima et al.                               |   |  |
| 7                     |              | US-  |                             |  |   |  |
| /                     |              | US-  |                             |  |   |  |
|                       |              | US-  |                             |  |   |  |
| T                     |              | US-  |                             |  |   |  |
| T                     |              | US-  |                             |  |   |  |
| $\neg T$              |              | US-  |                             |  |   |  |
| 7                     |              | US-  |                             |  |   |  |
| 7.                    |              | US-  |                             |  |   |  |
| $T^{-}$               |              | US-  |                             |  |   |  |
| 7                     |              | US-  |                             |  |   |  |
| 1                     |              | US   |                             |  |   |  |
|                       |              | US-  |                             |  |   |  |
|                       |              | US-  |                             |  |   |  |
|                       |              | US-  |                             |  |   |  |

|                       |              | FORE  | IGN PATENT DOCU     | MENTS  |   | _ |
|-----------------------|--------------|---|---------------------|--|---|---|
| Examiner<br>Initials* | Cite<br>No.1 |   | Publication<br>Date | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages | Т |
|                       |              | Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (if known) | MM-DD-YYYY          |  | Or Relevant Figures Appear                        | 1 |
| me                    | Вф           | EP0189553   | 08-06-1986          | Hirasawa   |   | T |
| ne                    | B2           | WO9858011 A   | 12-23-1998          | Schwartz   |   | r |
|                       | 1            |   |                     |  |   | Γ |
|                       | <u> </u>     |   |                     |  |   |   |
| /                     | ļ            |   |                     |  |   | Γ |
| ,                     |              |   |                     |  |   | ۳ |

Examiner Signature L. E. Crane Du Louis Considered 06/09/2006

\*EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁴Applicant is to place a check mark here if English language Translation is attached.

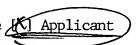
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Attorney Docket No.: FZIO-01000US6 dbb/fzio/1000us6/1000us6.ids.4.21.05

10/666,804 - PTO-1449 #1

COPY FOR [ ] File ( Applicant



| Form PTO-                    | U.S. DEPA. JENT OF COMMERCE PATENT AND TRADEMARK OFFICE   |  |                     |   | Attorney Docket Number FZIO-01000US6 |        |       | VPatent Number<br>666,804 |             |
|------------------------------|---|--|---------------------|---|--------------------------------------|--------|-------|---------------------------|-------------|
| 101.5                        | To for  | mation Disclosure Stat                       |                     | Applicant/Patent Owner Schwartz, et al. |                                      |        |       |                           |             |
| MIE 5 2 SOUR                 | 8/1   | BY APPLICANT  Use several sheets if necessar | רציז                |   | Filing/Issue Date September 19, 2003 |        | Grou  | p Art Unit<br>23 .        |             |
| TA TRADE!                    |   |  | U.S.                | PA                                      | TENTS                                |        |       |                           |             |
| Examiner                     | AA#   |  |                     |   |                                      |        |       |                           |             |
| Initial                      | <del> </del>  | Patent Number                                | Issue Date          | $\vdash$                                | First Named Inventor                 | CI     | ass   | Subclass                  | Filing Date |
|                              | 1   | 3,064,313                                    | 11/20/62            | В                                       | utler                                | 18     |       | 57                        | 6/14/60     |
|                              | 2 ·   | 3,328,259,                                   | 6/27/67             | A                                       | nderson                              | 16     | 7     | 84 -                      | 1/8/64      |
|                              | 3   | 3,387,061                                    | 6/4/68              | Sı                                      | mith, et al.                         | 260    | )     | 874                       | 9/8/58      |
|                              | 4   | 4,024,073                                    | 5/17/77             | SI                                      | himizu, et al.                       | 252    | 2     | 316                       | 2/21/75     |
|                              | 5   | 4,181,718                                    | 1/1/80              | М                                       | lason, et al.                        | 424    | 1     | 180                       | 2/13/78     |
|                              | 6   | 4,442,258                                    | 4/10/84             | Sı                                      | ımakawa, et al.                      | 524    | 1     | 767                       | 7/3/80      |
|                              | 7   | 4,585,858                                    | 4/29/86             | М                                       | lolotsky                             | 536    | 5     | 401                       | 1/11/71     |
|                              | 8   | 4,610,863                                    | 9/9/86              | Te                                      | ewari, et al.                        | 423    | }     | 338                       | 9/4/85      |
|                              | 9   | 4,616,644                                    | 10/14/86            | Sa                                      | iferstein, et al.                    | 128    | }     | 156                       | 6/14/85     |
|                              | 10  | 4,684,558                                    | 8/4/87              |   | eusch, et al.                        | 428    | }     | 40 .                      | 6/30/86     |
|                              | 11  | 4,713,243                                    | 12/15/87            |   | chiraldi, et al.                     | 424    |       | 676                       | 6/16/86     |
|                              | 12  | 4,768,523                                    | 9/6/88              |   | ahalan, et al.                       | 128    |       | 785                       | 12/15/86    |
|                              | 13  | 4,772,419                                    | 9/20/88             | М                                       | alson, et al.                        | 252    |       | 315.1                     | 2/21/86     |
|                              | 14  | 4,853,374                                    | 8/1/89              | A                                       | llen                                 | 514    |       | 57                        | 6/9/87      |
|                              | 15  | 4,937,254                                    | 6/26/90             | Sł                                      | neffield, et al.                     | 514    |       | 420                       | 1/26/88     |
|                              | 16  | 4,937,270                                    | 6/26/90             | Н                                       | amilton, et al.                      | 514    |       | 777                       | 9/18/97     |
|                              | 17  | 4,983,585                                    | 1/8/91              | Pe                                      | ennell, et al.                       | 514    |       | 57                        | 11/3/88     |
|                              | 18  | 5,017,229                                    | 5/21/91             | Вι                                      | ıms, et al                           | 106    |       | 162                       | 6/25/90     |
| 2                            | 19  | 5,066,709                                    | 11/19/91            | Cl                                      | naudhuri, et al.                     | 524    |       | 516                       |             |
|                              | 20  | 5,068,225                                    | 11/26/91            | Pe                                      | nnell, et al.                        | 514    |       | 57                        | 8/10/90     |
| >                            | 21  | 5,080,893                                    | 1/14/86             | G                                       | oldberg, et al.                      | 514    |       | 57                        | 7/19/90     |
| The                          | 22  | 5,093,319                                    | 3/3/92              | Hi                                      | gham, et al.                         | 514    |       | 55                        | 1/24/91     |
| Examiner                     | L. I  | E. Crane                                     | an                  | r                                       | Date Considered 06/09                | /20    | 06    |                           |             |
| conformance                  | and not   | considered. Include copy of                  | this form with next | com                                     |                                      | raw li | ne th | rough citatio             | n if not in |
| •1 = Copy no<br>•2 = Copy no | •1 = Copy not submitted because it was submitted in prior application SN _/, filed, 20, relied on under 35 USC §120. •2 = Copy not submitted because it was submitted in prior application SN _/, filed, 20, relied on under 35 USC §120. |  |                     |   |                                      |        |       |                           |             |

Form PTO-1449 U.S. DEPARTM PATENT AND TRADEMARK OFFICE Normation Disclosure Statement BY APPLICANT

Attorney Docket Number atent Number 1..666,804 FZIO-01000US6 Applicant/Patent Owner Schwartz, et al. Filing/Issue Date Group Art Unit

| ppo :               | E (   | Use several sheets if necessi | ary)         | September 19      | , 2003 16    | 23        |             |
|---------------------|-------|-------------------------------|--------------|-------------------|--------------|-----------|-------------|
|                     |       |                               | U.S          | S. PATENTS        | ·            |           |             |
| Examiner<br>Initial | BB#   | Patent Number                 | Issue Date   | . First Named Inv | ventor Class | Subclass  | Filing Date |
| 11/8C               | 23    | 5,140,016                     | 8/18/92      | Goldberg, et al.  | 514          | 57        | 5/8/91      |
|                     | 24    | 5,266,326                     | 11/30/93     | Barry, et al.     | 424          | 423       | 6/30/92     |
|                     | 25    | 5,298,488                     | 3/29/94      | Kojima, et al.    | 514          | 8         | 10/23/91    |
|                     | 26    | 5,354,790                     | 10/11/94     | Keusch, et al.    | 523          | 300       | 8/31/92     |
|                     | 27    | 5,356,883                     | 10/18/94     | Kuo, et al.       | 514          | 54        | 07/28/92    |
|                     | 28    | 5,374,446                     | 12/20/94     | Ferenz, et al.    | 426          | 611       | 12/10/93    |
|                     | 29    | 5,462,749                     | 10/31/95     | Rencher           | 424          | 484       | 4/26/94     |
|                     | 30    | 5,502,081                     | 3/26/96      | Kuo, et al.       | 514          | 777       | 08/18/94    |
|                     | 31    | 5,621,093                     | 04/15/97     | Swann, et al.     | 536          | 55.2      | 06/06/95    |
|                     | 32    | 5,681,873                     | 10/28/97     | Norton, et al.    | 523          | 115       | 10/14/93    |
| .,,:                | 33    | 5,711,958                     | 1/27/98      | Cohn, et al.      | 424          | 423       | 7/11/96     |
|                     | 34    | 5,800,832                     | 9/1/98       | Tapolsky, et al.  | 424          | 449       | 10/18/96    |
|                     | 35    | 5,874,417                     | 2/23/99      | Prestwich, et al. | . 514        | 54        | 5/10/96     |
|                     | 36    | 5,906,997                     | 5/25/99      | Schwartz, et al.  | 514          | 781       | 6/17/97     |
| 7.                  | 37    | 5,985,312                     | 11/16/99     | Jacob, et al.     | 424          | 434       | 1/26/96     |
|                     | 38    | 5,942,253                     | 8/24/99      | Gombotz, et al.   | 424          | 501       | 10/12/95    |
|                     | 39    | 5,955,096                     | 9/21/99      | Santos, et al.    | 424          | 434       | 6/25/96     |
| . >                 | 40    | 5,968,500                     | 10/19/99     | Robinson          | 424          | 78.08     | 10/15/97    |
| 5                   | 41    | 6,017301                      | 1/25/00      | Schwartz, et al   | 514          | 781       | 2/13/98     |
|                     | 42    | 6,034,140                     | 3/7/00       | Schwartz .        | 514          | 781       | 2/13/98     |
|                     | 43    | 6,133,325                     | 10/17/00     | Schwartz          | 514          | 781       | 2/18/99     |
| Me                  | 44    | 6,869,938                     | 3/22/05      | Schwartz          | 514          | 57        | 12/27/99    |
| 11                  |       |                               | U.S. PATE    | NT PUBLICATION    | S            |           |             |
| Examiner<br>Initial | CC#   | Patent Application Public     | ation Number | Publication Date  |              | Applicant | •           |
| 140                 | 1   , | 100005/0074405                |              | 4 17 2005         | 0.1          |           |             |

OF COMMERCE

US2005/0074495 April 7, 2005 Schwartz

Examiner L. E. Crane

06/09/2006 **Date Considered** 

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

\*I = Copy not submitted because it was submitted in prior application SN /

relied on under 35 LISC 8120

| Form PT                          | Form PTO-1449 U.S. DEPARTMENT OF COMMERCE   |  |                 |  | Docket Number |  |           | nst Number   |                                       |                 |           |
|----------------------------------|---|--|-----------------|--|---------------|--|-----------|--------------|---------------------------------------|-----------------|-----------|
| CTPTE                            | PATENT AND TRADEMARK OFFICE   |  |                 | FZIO   |               |  |           |              |                                       | $\dashv$        |           |
|                                  | Topormation Disclosure Statement  |  |                 |  |               | Applican/Paten) Owner Schwartz, et al. |           |              |                                       |                 |           |
| MIE 5 2 3                        | ي طلا<br>غ  | BY APPLICANT (Use several sheets if necessar                           |                 | Filing/Issue Date September 19, 2003 Group Art Uniu 1623 |               |  |           |              |                                       |                 |           |
| PENDING U.S. PATENT APPLICATIONS |   |  |                 |  |               |  |           |              |                                       |                 |           |
| Examiner                         |   | Application Number   |                 | Filing   | Date          | Firet N                                | lamed I   | nventor      |                                       | Petitio<br>Expu |           |
| Initial                          | -   |  |                 |  | · · · · · ·   |  |           |              |                                       | Yes             | -         |
|                                  | Щ.  |  | FORE            | ON DATE  |               |  |           |              |                                       | L               |           |
|                                  | T   |  | FOREIG          | JN PATI  | ENT DO        | CUMENTS                                | I         |              | <u> </u>                              | Τ_              |           |
| Examiner<br>Initial              | CC/   | Document Number  |                 | cation<br>ate .  |               | Country                                | c         | lass<br>-    | Subclass                              | 1               | ion<br>No |
| Me                               | 2   | EP 0 138 572 A2  | 4/24/8          | 5  | Europea       | n Patent Office                        | C 08      | B 37         | 08                                    |                 |           |
|                                  | <sup>2</sup> 3  | EP 0 265 561 A1  | 10/27/          | 86   | Europea       | n Patent Office                        | C 08      | B 37         | 08                                    |                 |           |
|                                  | 4   | EP 0 264 719 A2  | 4/27/8          | 8  | Europea       | n Patent Office                        | F041      | 39           | 117A                                  |                 |           |
|                                  | 5   | EP 0 193 510 A1  | 9/3/86          |  | European      | n Patent Office                        | C 08      |              | B37/08                                |                 |           |
|                                  | 6   | EP 0 581 581 A2  | 2/2/94          |  | Europea       | uropean Patent Office                  |           |              |                                       |                 | · ·       |
|                                  | 7   | JP 9-241973A   | 9/16/97         |  | Japan         |  |           |              |                                       |                 |           |
|                                  | 8   | WO 84/03302  | 8/30/8          | 3/30/84 W  |               |  | C12       | P 19         | 04                                    |                 |           |
| <u></u>                          | 9 WO 86/00912 2/13/86 V   |  | WIPO            | IPO C 08 B 3   |               | B 37                                   | 00        |              |                                       |                 |           |
|                                  | 10  | WO 89/02445  | 3/23/8          | 9  | WIPO          | O C 0                                  |           | B 37         | 08                                    |                 |           |
| <u>\</u>                         | 11  | WO 90/10020  | 9/7/90          | 9/7/90   |               |  | C 08      | B 37         | 08                                    |                 |           |
| 2                                | 12  | WO 97/23564  | 7/3/97          |  | WIPO          |  | C 08      | L            | 63                                    |                 |           |
| Me                               | 13  | WO 97/01345  | 6/1996          | 5  | WIPO          |  | A61       | K            | 35/78                                 |                 |           |
|                                  | OTI   | IER-DOCUMENTS (Inclu   | de author       | (if-any), titl   | e, publishe   | and place of public                    | ation, da | ate and pe   | rtinent pages                         | )               |           |
| Ry!                              | DD  | Elkins, et al., <i>Adhesion preven</i><br>No. 6, 926-928, June 1984    | tion by so      | lutions of so  | odium carb    | oxymethylcellulose ii                  | the rai   | . I. Fertili | ity and Sterili                       | ty, Vol.        | 41,       |
| <del>⊼x' 2</del> I               | Ð.,   | Wiseman, Polymers for the Pri  | evention        | f Surgicul 7   | tdhesions, .  | Johnson & Johnson i                    | Medical   | , Inc., Arl  | ington, Texas                         | s, 369-4        | 21        |
| 3                                | DD.   | Merrill, Poly (Ethylone Oxide)   | and Blood       | Gentaet,   | -Chroniele    | of One Laboratory,                     | 199-229   | )            | · · · · · · · · · · · · · · · · · · · |                 |           |
| 344 4I                           |   | Chaikof, Platelet Interaction w  |                 |  |               |  |           |              |                                       |                 |           |
| 5 5I                             | - U   | Bottenberg, et al., Developmen<br>Pharmacol., 43:457-464, 1991         | t and Tesi      | ting of Bioa   | dhesive, Fl   | uoride-containing Sl                   | ow-rele   | ase Table    | is for Oral U                         | se, J. Pl       | пагтп.    |
| He 6I                            | D   | Amiji, Permeability and blood<br>Biomaterials, 16, 593-599, 199        |                 | ility proper   | ties of chitc | san-poly(ethylene o                    | cide) blo | end memb     | ranes for had                         | modial          | ysis,     |
| ** 7                             | ם   | Diookman, orak, Garboxymerk<br>2290                                    | yloellalus<br>1 | <del>o in the F</del> re                                 | ericid Pon    | n <del>, Industrial and</del> Eng      | gineerin  | g Chemis     | try, Vol. 45,                         | No. 10,         | 2287-     |
| Examin                           | eīL.  | E. Crane   | Var             | , ]  | Date Co       | onsidered C                            | 6/0       | 9/200        | )6                                    |                 |           |
| *EXAMIN                          | ER: In  | nitial if citation considered, whet<br>not considered. Include copy of | her or not      | citation is i  | in conforma   | ince with MPEP 609                     |           |              | <del></del>                           | not in          |           |
| *1 = Copy                        | not sub   | omitted because it was submitted                                       | in prior a      | pplication S   | SN /          | _, filed                               | , 20      |              | under 35 US                           |                 |           |
|                                  | *2 = Copy not submitted because it was submitted in prior application SN / filed 20 relied on under 35 USC \$120. |  |                 |  |               |  |           |              |                                       |                 |           |

<sup>^^</sup> incomplete citation: date information or other essential data missing.

RESUMISSION Resubmission is respectfully requested.

| - 1 |                       |                                  |   |   |  |  |  |
|-----|-----------------------|----------------------------------|---|---|--|--|--|
|     | Form PTO-1449         |                                  | 449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE   | Attorney Docket Number FZIO-01000US6  | Serial/Patret Number<br>10/666,804     |  |  |
|     | <b>б<sup>ТР</sup></b> | Pasormation Disclosure Statement |   | Applican/Prient Owner Schwartz, et al.  |  |  |  |
| 星   | MP 5                  | بر 2005 و                        | BY APPLICANT (Use several sheets if necessary)  | Filing/Issue Date September 19, 2003  | Group Art Unit 1623                    |  |  |
| ١,  |                       | OTI                              | IED DOCUMENTO # 1 1 4 22 3 3 3  |   |  |  |  |
|     | al.                   | 8 DD                             | IER DOCUMENTS (Include author (if any), title   |   |  |  |  |
| 1   | **                    | , DD                             | Gurny, et al., Bioadhesive intraoral release systems:   |   | enals, Vol. 3, 330-340, 1984           |  |  |
|     |                       |                                  | Chen, et al., Compositions Producing Adhesion   |   |  |  |  |
|     | OF C                  | ار©DD ر                          | Kulicke, et al., Characterization of aqueous carboxy influence on rheological behavior, Polymer, Vol. 37            |   | their molecular structure and its      |  |  |
|     | He                    | UDD                              | Ohno, et al., Interpolymer Complex Formation of Po<br>through Hydrogen Bond, Makromol. Chem., Rapid (               | -   | de) or Poly(1-vinyl-2-pyrrolidone)     |  |  |
| _   | **                    | 12DD                             | Acqualon, Sodium Carboxymethylcellulose, Physica  | l and Chemical Properties, Hercules,  | Inc., 1-27                             |  |  |
|     | Me                    | 13 DD                            | Didishelm, et al., Hematologic and Coagulation Stud   | udies in Various Animal Species, J. Lab. & Clin. Med., 866-875, June 1959   |  |  |  |
|     |                       | 14 DD                            | Harris, et al., Analysis of the Kinetics of peritoneal a agents, Surgery, 663-669, June 1995                        | dhesion formation in the rat and eval   | uation of potential antiadhesive       |  |  |
|     |                       | 15 DD                            | Becker, et al., Prevention of Postoperative Abdomina Prospective, Randomized, Double-Blind Multicenter October 1996 | · ·   |  |  |  |
|     |                       | 16 DD                            |   | p, Prevention of postsurgical adhesions by INTERCEED (TC7). • an mixed multicenter clinical study, Fertility and Sterility, Vol. 51, No. 6, 933 |  |  |  |
|     |                       | 17 DD                            | Diamond, et al., Reduction of adhesions after utering<br>randomized, multicenter clinical study, Fertility and      |   |  |  |  |
|     | All                   | 18 DD                            | Sung, et al., Swelling properties of hyaluronic acid e  | ester membranes, Journal of Membran   | ne Science, 92, 157-167, 1994          |  |  |
| -   | lank man              | 19 DD                            | Braun, Foly (Ethylene Oxide); Union Carbide Corpo<br>Chemicals Division, (Reprinted from Handbook of N              |   |  |  |  |
|     | De                    | 20 DD                            | Polyóx Water-soluble Resins, Association Compoun  | ds, Union Carbide Chemicals Divisio   | n, p. 22, 1991                         |  |  |
|     | (                     | <sup>21</sup> DD                 | Sepra film™ Bioresorbable Membrane, Product Mo<br>Corporation, 1-29, 1996   | nograph for the Reduction of Postsur  | gical Adhesions, Genzyme               |  |  |
| •   | 17                    | 22 DD                            | Kitano, et al., Viscous Carboxymethylcellulose in the   | e Prevention of Epidural Scar Forma   | tion, Spine, Vol. 16, No. 7, July 1991 |  |  |
|     |                       | 23 DD                            | Hercules Cellulose Gum, Sodium Carboxymethylcel   | lulose, Chemical and Physical Prope   | rties, Hercules, Inc., 1-31, 1984      |  |  |
|     | 3                     | 24 DD                            | Takayma, et al., Effect of Interpolymer Complex For<br>Compressed Tablet Consisting of Chitosan and Sodi            | mation on Bioadhesive Property and  | Drug Release Phenomenon of             |  |  |
|     | . /                   |                                  |   |   |  |  |  |

Examiner L. E. Crane Date Considered 06/09/2006

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Aurora, et al., Pathology of Peritoneal Adhesions - An Experimental Study, Indian J. Med. Res., 62, 4, 539-544, April 1974

Feddersen, et al., Sodium Carboxymethylcellulose, Industrial Gums, Polysaccharides and Their Derivatives, Third Edition,

Steizer, et al., Carboxymethylcellulose, Handbook of Water-Soluble Gums and ResinsChapter 4, pp. 4-1 - 4-28, 1980

Harland, et al., Polyelectrolyte Gels, Properties, Preparation, and Applications, American Chemical Society Symposium

, 20\_\_\_, relied on under 35 USC §120.

25 DD

26 DD

27 DD

Series, November 11-16, 1990, 480

\*2 = Copy not submitted because it was submitted in prior application SN \_/\_\_\_\_, filed \_

537-579, 1993

<sup>•1 =</sup> Copy not submitted because it was submitted in prior application SN \_/\_\_\_\_, filed \_\_\_\_\_\_, 20\_\_\_, relied on under 35 USC §120.

<sup>\*\*</sup> Incomplete: date (year) not specified and/or other essential data missing. Resubmission is respectfully requested.

|  | Fort   | n PTO-1449   | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE   | Attorney Docket Number FZIO-01000US6             | Serial/Patent Number<br>10/666,804 |  |  |  |  |  |
|--|--|--|---|--|------------------------------------|--|--|--|--|--|
|  | O .  | To To  | Sprmation Disclosure Statement  | Applicant/Patent Owner Schwartz, et al.          |                                    |  |  |  |  |  |
| PA   | AUG ?  | 5 2015   | BY APPLICANT (Use several sheets if necessary)  | Filing/Issue Date September 19, 2003             | Group Art Unit<br>1623             |  |  |  |  |  |
| OTHER DOCUMENTS (Include author (if any), title, publisher and place of publication, date and pertinent pages) |  |  |   |  |                                    |  |  |  |  |  |
|  | M  | 29 DD  | Danishefsky, et al., Conversion of Carboxyl Groups of Res., 16, 199-205, 1971                                 | f Mucopolysaccharides into Amides o              | f Amino Acid Esters, Carbohyd.     |  |  |  |  |  |
|  |  | 30 DD  | Tsuchida, et al., Interactions Between Macromolecule<br>Science, 45-122, 1982                                 | s in Solution and Intermacromolecula             | ar Complexes, Advance Polymer      |  |  |  |  |  |
|  | fre  | -31 DD   | Anseth, et al., Mechanical properties of hydrogels and  | d their experimental determination, B            | iomaterials, 17, 1647-1657, 1996   |  |  |  |  |  |
| -[   | <u>aaa</u>   | -32 DD   | Kofinas, et al., <i>Development of methods for quantitati</i><br>Biomaterials, Vo. 18, No. 20, 1361-1369      | <del>ve a</del> haracterization of network morph | ology in pharmaceutical hydrogels, |  |  |  |  |  |
|  | fee  | ∕33 DD   | Agrawal, et al., "Technique to Control pH in Vicinity of pp. 105-114.   | of Biodegrading PLA-PGA Implants,"               | ' John Wiley & Sons, Inc., 1997,   |  |  |  |  |  |
|  |  | 34 DD  | Hunt, et al., "Silica Aerogel, A Transparent High Pery<br>Society World Congress, Sept. 13-18, 1987, Hamburg  |  | the International Solar Energy     |  |  |  |  |  |
|  |  | 35 DD  | Tewari, et al., "Microstructural Studies of Transparent the Materials Research Society, April 15-19, 1986, Pa |  | ings of the 1986 Spring Meeting of |  |  |  |  |  |
|  | (  | 36 DD  | Hunt, et al., "Process Considerations in Monolithic Ac<br>Symposium, Vol. 121, pp. 679-684.                   | erogels," Materials Research Society,            | 1988, Materials Research Society   |  |  |  |  |  |
|  | Ke   | Lenaerts, Ph.D., et al., "Bioadhesive Drug Delivery Systems," CRC Press, Inc., 1990, pp. 25-168. |   |  |                                    |  |  |  |  |  |
| 4  | 28 DD Loffius, et al., "ColloidaLand Kinetic Principles of Sol-Gel Processing," Advanced Materials '90, March, 1990.   |  |   |  |                                    |  |  |  |  |  |
|  | Examiner L. E. Crane Date Considered 06/09/2006  |  |   |  |                                    |  |  |  |  |  |
|  | *EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.   |  |   |  |                                    |  |  |  |  |  |
|  | *1 = Copy not submitted because it was submitted in prior application SN _/, filed, 20, relied on under 35 USC §120.  *2 = Copy not submitted because it was submitted in prior application SN _/, filed, 20, relied on under 35 USC §120. |  |   |  |                                    |  |  |  |  |  |

<sup>@@</sup> Incomplete - no page numbers specified: resubmission requested.

<sup>@@@</sup> Incomplete: date of publication missing. Resubmission is respectfully requested.

, 20\_\_\_, relied on under 35 USC §120.

, 20\_\_\_, relied on under 35 USC §120.



\*2 = Copy not submitted because it was submitted in prior application SN \_/\_\_

Attorney Docket Number Serial/Patent Number Form PTO-1449 DEPARTMENT OF COMMERCE FZIO-01000US6 10/666,804 PATENT AND TRADEMARK OFFICE (Substitute) Applicant/Patent Owner Information Disclosure Statement Schwartz, et al. BY APPLICANT Filing/Issue Date Group Art Uzit (Use several sheets if necessary) September 19, 2003 1623 OTHER DOCUMENTS (Include author (if any), title, publisher and place of publication, date and pertinent pages) AAA1 Elkins, et al., Adhesion prevention by solutions of sodium carboxymethylcellulose in the rat. II. Fertility and Sterility, Vol. 41, No. 6, 929-932, June 1984 Examiner L. E. Crane **Date Considered** 06/09/2006 \*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*1 = Copy not submitted because it was submitted in prior application SN \_/\_

filed

- 3 -



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

142

In re Application

Inventors:

Schwartz, et al.

Appl. No.:

10/666,804

Confirm. No.: 8739

Filed: September 19, 2003

Title: COMPOSITIONS OF POLYACIDS AND

POLYETHERS AND METHODS FOR THEIR

**USE IN REDUCING ADHESIONS** 

PATENT APPLICATION

Art Unit:

1623

Examiner: Owens, J. Howard V.

Customer No. 23910

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

I hereby certify that this correspondence is being deposited in the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1459, Alexandria, VA 22213-1450, on November 15, 2005.

D. Benjamin Borson, Ph.D., Reg. No.: 42,349

Signature Date: November 15, 2005

# SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.56

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

It is requested that the information identified in this statement be considered by the Examiner and made of record in the above-identified application. This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56. If this is a continuation, divisional or continuation-in-part application, it is understood that the Examiner will consider all information which was considered by the Office in a parent application. MPEP §609. Such information therefore is not listed herein unless it is desired that the information be printed on a patent issuing from the subject application.

### Enclosed with this statement are the following:

International Search Report (dated Sept. 2, 2005) and the Written Opinion of the International Searching Authority for International Application No. PCT/US04/30839 (Attorney Doc. No. FZIO-01000WO1).

Form PTO-1449. The Examiner is requested to initial the form and return it to the undersigned in accordance with M.P.E.P. §609.

The present application is being/was filed after June 30, 2003. In accordance with the pre-official gazette waiver of 37 CFR 1.98 (a)(2)(i) posted at: pac/dapp/opla/preognotice/idswouscopies.htm,

EXAMINER L. E. Crane

DATE CONSIDERED 06/09/2006

Attorney Docket No.: FZIO-01000US dbb/fzio/1000us6/1000US6.103.wpd

104.001:123103

OOPY FOR [ ] File [Λ] Applicant

10/666.804 PTO-1449 copies of cited U.S. patents and publications are not enclosed. However, copies of cited foreign patent documents and non-patent literature are enclosed in accordance with 37 CFR 1.98(a)(2), as still required, except for those items designated by an asterisk (\*), which were previously submitted by the applicant in a parent application, from which benefit under 35 U.S.C. §120 is claimed, with an Information Disclosure Statement submitted in the parent application which complies with the September 8, 2000 or subsequent revision of 37 C.F.R. §1.98(a-c), as allowed under 37 C.F.R. §1.98(d)(1).

If any of the cited/submitted documents is in a foreign language, a concise explanation of relevance is provided pursuant to 37 C.F.R. §1.98(a)(3)(i). For foreign language documents cited in a search report by a foreign patent office, the requirement for a concise explanation of relevance is satisfied by the submission herewith of an English language version of the search report. MPEP §609A(3). If a written English-language translation of a non-English language document, or portion thereof, is within the possession, custody or control of, or is readily available to any individual designated in §1.56(c), a copy of the translation accompanies this statement, 37 C.F.R. §1.98(a)(3)(ii), and satisfies the requirement for a concise explanation of relevance, MPEP §609A(3).

#### This statement should be considered because:

- 37 C.F.R. §1.97(b). This statement qualifies under 37 C.F.R. §1.97, subsection (b) because:
  - (1) It is being filed within three months of the filing date of an application other than a continued prosecution application under § 1.53(d);

    -- OR --
  - (2) It is being filed within 3 months of entry of a national stage;
    -- OR --
  - (3) It is being filed before the mailing date of the first Office Action on the merits,
    -- OR --
  - (4) It is being filed before the mailing date of the first Office Action after the filing of a Request for Continued Examination under 37 C.F.R. §1.114.
- Fee Authorization. The Commissioner is hereby authorized to charge any deficiencies or credit any overpayment to Deposit Account No. 06-1325. A duplicate copy of this authorization is enclosed.

Respectfully submitted,

FLIESLER MEYER LLP

Date: NOV. 15, 2005

1 6 --

D. Benjamin Borson, Ph.D., Reg. No.: 42.3

Customer No. 23910
FLIESLER MEYER LLP
Four Embarcadero Center, Fourth Floor
San Francisco, California 94111-4156
Telephone (415) 362-3800

EXAMINER L. E. Crane

DATE CONSIDERED

06/09/2006

Attorney Docket No.: FZIO-01000US dbb/fzio/1000us6/1000US6.103.wpd

- 2 -

104.001:123103